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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/767,596	01/29/2004	Krishna C. Ratakonda	YOR920030575US1 (17183)	5215
23389 7590 03/19/2007 SCULLY SCOTT MURPHY & PRESSER, PC 400 GARDEN CITY PLAZA SUITE 300 GARDEN CITY, NY 11530			EXAMINER LUGO, DAVID B	
			ART UNIT	PAPER NUMBER
			2611	

SHORTENED STATUTORY PERIOD OF RESPONSE	MAIL DATE	DELIVERY MODE
3 MONTHS	03/19/2007	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

Office Action Summary	Application No.	Applicant(s)	
	10/767,596	RATAKONDA ET AL.	
	Examiner	Art Unit	
	David B. Lugo	2611	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 29 January 2004.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-22 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 4-13 and 16-20 is/are allowed.
- 6) ☒ Claim(s) 2, 14 and 21 is/are rejected.
- 7) ☒ Claim(s) 1, 3, 15 and 22 is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 29 January 2004 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Claim Objections

1. Claims 1-3 are objected to because of the following informalities:
 - a. Claim 1, line 16, it is suggested that “outputting a resultant values” be changed to --outputting resultant values--.
 - b. Claim 2, line 13, it is suggested that “outputting a resultant values” be changed to --outputting resultant values--.Appropriate correction is required.

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

3. Claims 2 and 14 are rejected under 35 U.S.C. 102(b) as being anticipated by Yamaguchi et al. U.S. Patent 6,256,346.

Regarding claims 2 and 14, Yamaguchi discloses a method for encoding predictively encoded sequences of symbols over a plurality of channels and a encoding apparatus in Figure 1 comprising a signal source transmitting a signal 10 over a channel, the channel comprising at least two transmission channels (outputs of buffers 160, 161), two signal adding means (110, 111), each receiving the signal transmitted from the signal source and forming a coefficient by subtracting a differing predictive value (outputs of prediction sections 200, 201, respectively) from the signal, two quantizing means (130, 131) for receiving a differing coefficient value from

Art Unit: 2611

the adding means and performing the operation of quantizing the received coefficient values and outputting resultant values, and two encoder means (140, 141) for receiving the coefficients from the signal quantizing means transforming the coefficients into encoded values for transmission, where the number of transmitted coefficients is less than the number generated by the transformation according to the system coding efficiency.

Claim Rejections - 35 USC § 103

4. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

5. Claim 21 is rejected under 35 U.S.C. 103(a) as being unpatentable over Yamaguchi et al.

Regarding claim 21, Yamaguchi discloses a method for transmitting predictively encoded sequences of symbols over a plurality of channels, where in Figure 1 a signal source transmits a signal 10 over a channel, the channel comprising at least two transmission channels (outputs of buffers 160, 161), two signal adding means (110, 111), each receive the signal transmitted from the signal source and form a coefficient by subtracting a differing predictive value (outputs of prediction sections 200, 201, respectively) from the signal, two quantizing means (130, 131) receive a differing coefficient value from the adding means and perform the operation of quantizing the received coefficient values and outputting resultant values, and two encoder means (140, 141) receive the coefficients from the signal quantizing means transform the coefficients into encoded values for transmission, where the number of transmitted coefficients is less than the number generated by the transformation according to the system coding efficiency.

Art Unit: 2611

Yamaguchi does not disclose that the steps of the method are included in a computer readable medium executed by a processor. However, it is well known in the art to implement video encoding methods using software stored in a computer readable medium. Therefore, it would have been obvious to one of ordinary skill in the art to store instructions implementing the steps of Yamaguchi for execution by a processor, as software and hardware implementations are well recognized art equivalents.

Allowable Subject Matter

6. Claims 4-13 and 16-20 are allowed.
7. Claim 1 would be allowable if rewritten or amended to overcome the objection set forth in this Office action.
8. Claims 3, 15 and 22 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims, and rewritten to overcome the objections set forth in this Office action.

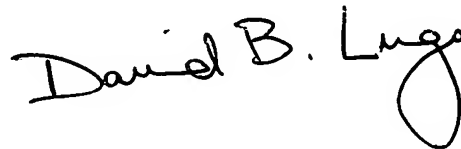
Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to David B. Lugo whose telephone number is 571-272-3043. The examiner can normally be reached on M-F; 9:30-6.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Jay Patel can be reached on 571-272-2988. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Art Unit: 2611

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

A handwritten signature in black ink that reads "David B. Lugo". The signature is written in a cursive style with a large, looping "L" at the end.

David B. Lugo
Patent Examiner

3/9/07